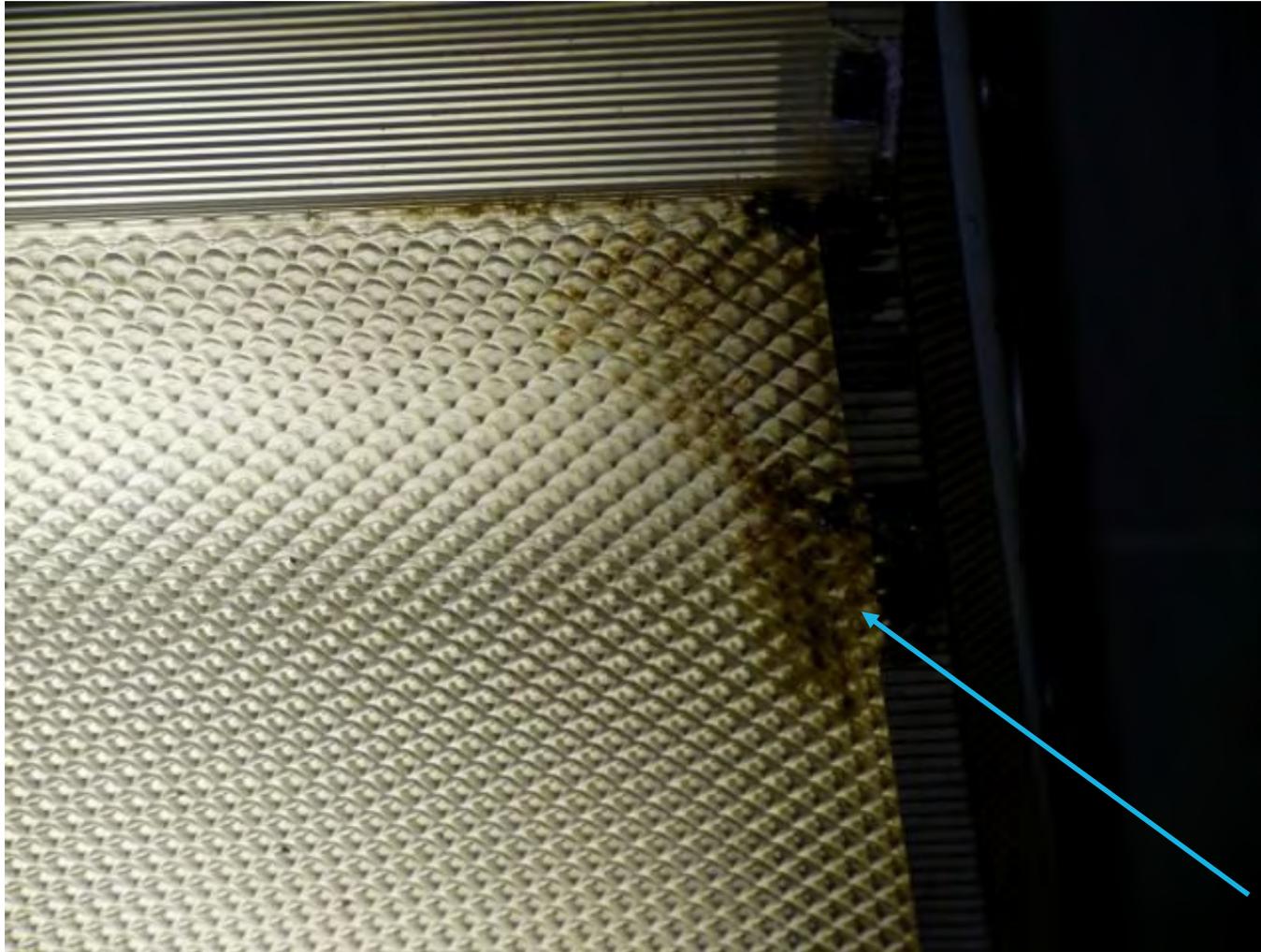




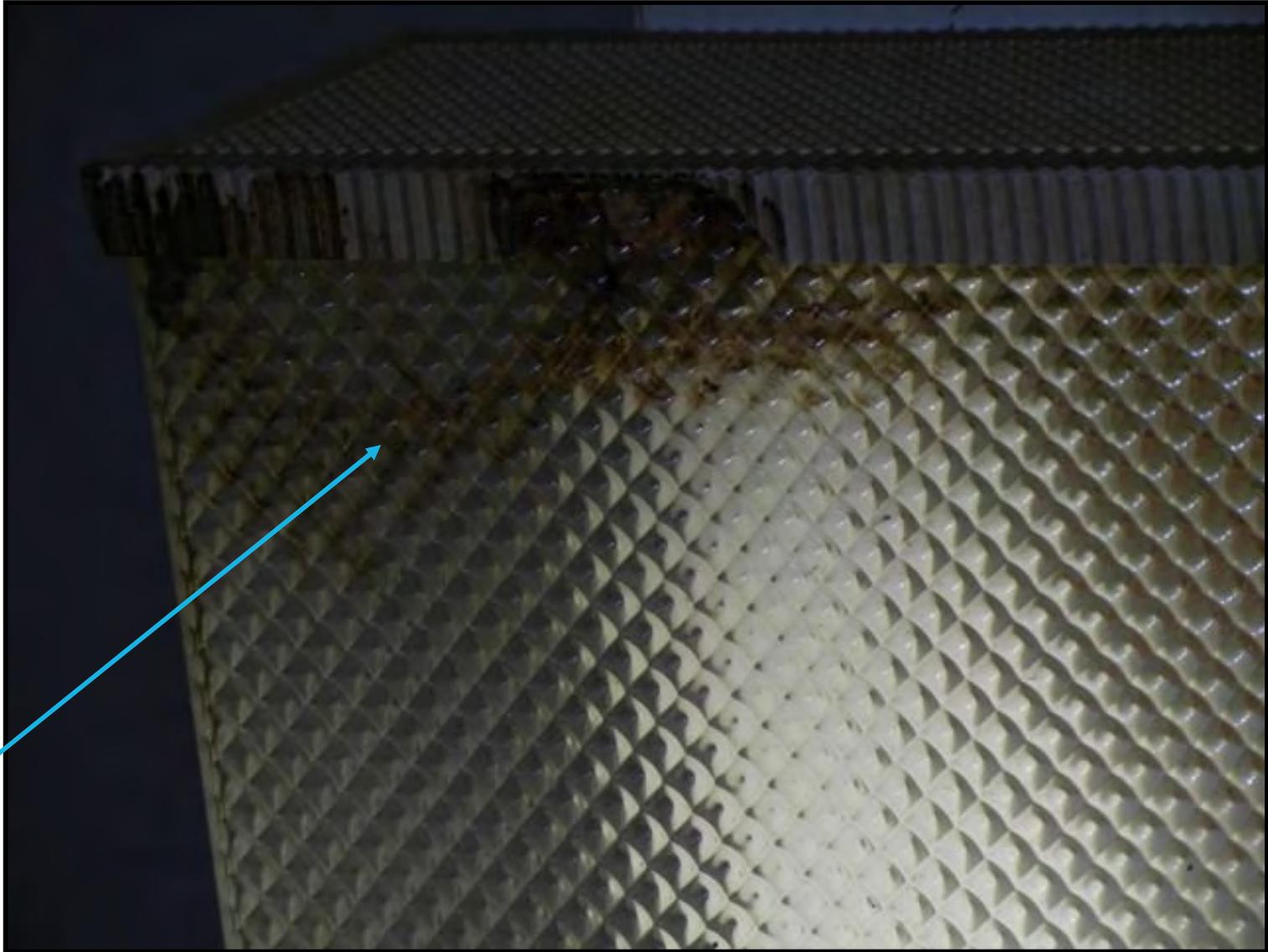
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# Polychlorinated Biphenyls (PCBs) Presentation

# PCBs in Light Fixtures









# PCB Pilot Study Summer 2010

- Evaluate risk of PCB exposure to school occupants caused by PCB-containing caulking
  - Results revealed that airborne levels of PCBs can become elevated above EPA health guidance levels for schools
  - Lighting fixtures containing PCB ballasts that failed and leaked surfaced as a significant problem
  - Air testing results indicated that removal and replacement of these lighting fixtures resulted in substantial reductions in airborne levels of PCBs in the 3 pilot school buildings
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# NYC Schools Comprehensive Plan: Greener, Healthier Schools for the 21<sup>st</sup> Century

- 10-year plan to replace PCB-containing light fixtures in 772 schools (as part of broader effort that involves other energy-efficient retrofits and upgrades)
  - PCB-containing light fixtures are over 40 - 60 years old; EPA inspections in 7 NYC public schools revealed leaking PCBs in the majority of fixtures inspected
  - Any given ballast in these old fixtures is likely to leak in the 10-year period
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# PCB-Containing Light Fixtures

- The older NYC schools with these fixtures have little or no mechanical ventilation and rely on windows for ventilation
  - There has been no airborne PCB exposure study in the schools; decision to replace lighting over 10 years is based on funding and not on a scientific assessment of health risk
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